

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	191	725/43.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/30 13:07
L2	97	725/54.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/30 13:06
L3	28	725/39-61.ccls. and macroblock	US-PGPUB; USPAT	OR	ON	2006/03/30 13:07
L4	0	725/42,44,54.ccls. and (skip adj encod\$5)	US-PGPUB; USPAT	OR	ON	2006/03/30 13:10
L5	17	725/42,44,54,40,41,43.ccls. and macro\$1block\$5	US-PGPUB; USPAT	OR	ON	2006/03/30 13:10
L6	1	"348"/\$7.ccls. and (skip same \$2coding) and (background same blank)	US-PGPUB; USPAT	OR	ON	2006/03/30 13:11
L7	61	(non-overlap\$5 (nonoverlap\$5) (non adj overlap\$5) ("not" adj overlap\$5)) with (macroblock)	US-PGPUB; USPAT	OR	ON	2006/03/30 13:11
L8	19	345/547,555.ccls. and (macroblock microblock)	US-PGPUB; USPAT	OR	ON	2006/03/30 13:12
S1	84	725/43.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/30 13:06
S2	48	725/54.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/30 13:06
S3	174	725/42,44.ccls.	US-PGPUB; USPAT	OR	ON	2003/05/29 16:29
S4	7	725/54.ccls. and skip	US-PGPUB; USPAT	OR	ON	2003/05/30 14:43
S5	0	725/42,44,54.ccls. and (skip adj encod\$5)	US-PGPUB; USPAT	OR	ON	2006/03/30 13:10
S6	0	725/42,44,54,40,41,43.ccls. and quantiz\$5 and encod\$5 and macroblock\$5 and filter\$5	US-PGPUB; USPAT	OR	ON	2003/05/30 14:47
S7	5	725/42,44,54,40,41,43.ccls. and macro\$1block\$5	US-PGPUB; USPAT	OR	ON	2006/03/30 13:10
S8	27	725/54.ccls. and encod\$5	US-PGPUB; USPAT	OR	ON	2003/06/02 10:23
S9	84	725/43.ccls.	US-PGPUB; USPAT	OR	ON	2003/05/31 17:15
S10	18	725/43.ccls. and skip\$5	US-PGPUB; USPAT	OR	ON	2004/05/24 10:16
S11	30	725/43.ccls. and encod\$5	US-PGPUB; USPAT	OR	ON	2003/05/30 19:47

## EAST Search History

S12	10	725/43.ccls. and encod\$5 and blank	US-PGPUB; USPAT	OR	ON	2003/05/30 19:47
S13	48	725/43.ccls. and blank\$5	US-PGPUB; USPAT	OR	ON	2003/05/31 17:15
S14	17	725/43.ccls. and blank\$5 and encod\$5	US-PGPUB; USPAT	OR	ON	2003/05/31 17:16
S15	0	"09583388"	US-PGPUB; USPAT	OR	ON	2003/06/02 10:23
S16	112	"348"/\$7.ccls. and (skip same \$2coding) and background	US-PGPUB; USPAT	OR	ON	2003/06/02 13:56
S17	1	"348"/\$7.ccls. and (skip same \$2coding) and (background same blank)	US-PGPUB; USPAT	OR	ON	2006/03/30 13:11
S18	0	"348"/\$7.ccls. and (skip same \$2coding) and background and (epg ipg (program\$1guide))	US-PGPUB; USPAT	OR	ON	2003/06/02 14:26
S19	8	"348"/\$7.ccls. and (skip same \$2coding) and background and guide	US-PGPUB; USPAT	OR	ON	2003/06/02 14:51
S20	1	"20010001614"	US-PGPUB; USPAT	OR	ON	2003/06/02 14:51
S21	2	725/37-56.ccls. and (blank adj background)	US-PGPUB; USPAT	OR	ON	2003/12/01 17:03
S22	0	725/37-56.ccls. and (skip adj encod\$5)	US-PGPUB; USPAT	OR	ON	2003/12/01 17:03
S23	9	"725"/\$7.ccls. and (server adj centric)	US-PGPUB; USPAT	OR	ON	2003/12/02 13:37
S24	3	"725"/\$7.ccls. and (server adj centric) and skip\$5	US-PGPUB; USPAT	OR	ON	2003/12/02 13:37
S25	715	(macroblock macro-block) and distortion	US-PGPUB; USPAT	OR	ON	2004/05/24 10:17
S26	245	((macroblock macro-block) with size) and distortion	US-PGPUB; USPAT	OR	ON	2003/12/14 15:18
S27	41	((macroblock macro-block) with size) and distortion and grid	US-PGPUB; USPAT	OR	ON	2003/12/14 15:25
S28	29	((macroblock macro-block) with size) and distortion and grid and (border transition)	US-PGPUB; USPAT	OR	ON	2003/12/14 15:37
S29	52	(macroblock with boundary) and fit\$5 and (grid box guide)	US-PGPUB; USPAT	OR	ON	2003/12/14 15:57
S30	69	"725"/\$7.ccls. and macroblock	US-PGPUB; USPAT	OR	ON	2003/12/14 15:57
S31	6	"725"/\$7.ccls. and (macroblock with size) and (distort\$5 noise)	US-PGPUB; USPAT	OR	ON	2003/12/14 15:59

## EAST Search History

S32	12	"345"/\$7.ccls. and (macroblock with size) and (distort\$5 noise) and transition	US-PGPUB; USPAT	OR	ON	2003/12/14 16:00
S33	32	"348"/\$7.ccls. and (macroblock with size) and (distort\$5 noise) and transition	US-PGPUB; USPAT	OR	ON	2004/05/24 10:17
S34	61	"348"/\$7.ccls. and (macroblock with size) and (distort\$5 noise artifact) and edge	US-PGPUB; USPAT	OR	ON	2003/12/14 16:32
S35	0	"725"/\$7.ccls. and (macroblock with size with multiple)	US-PGPUB; USPAT	OR	ON	2003/12/14 16:33
S36	15	"348"/\$7.ccls. and (macroblock with size with multiple)	US-PGPUB; USPAT	OR	ON	2003/12/14 16:36
S37	49	macroblock with size with multiple	US-PGPUB; USPAT	OR	ON	2003/12/14 16:43
S38	354	(macroblock with size) and (rectangle square)	US-PGPUB; USPAT	OR	ON	2003/12/14 16:44
S39	367	(macroblock with size) and (rectangle square menu)	US-PGPUB; USPAT	OR	ON	2003/12/14 16:44
S40	386	(macroblock with size) and (rectangle square menu guide)	US-PGPUB; USPAT	OR	ON	2003/12/14 16:44
S41	124	(macroblock with size) and fit and (rectangle square menu guide)	US-PGPUB; USPAT	OR	ON	2003/12/14 16:44
S42	138	(macroblock with size) and fit\$5 and (rectangle square menu guide)	US-PGPUB; USPAT	OR	ON	2004/05/24 10:17
S43	29	(macroblock with size) and fit\$5 and (menu guide)	US-PGPUB; USPAT	OR	ON	2003/12/14 16:48
S44	23	725/43.ccls. and blank	US-PGPUB; USPAT	OR	ON	2004/05/23 16:29
S45	0	725/43.ccls. and (skip with encod\$5)	US-PGPUB; USPAT	OR	ON	2004/05/23 16:29
S46	4	725/37-61.ccls. and (skip with encod\$5)	US-PGPUB; USPAT	OR	ON	2004/05/23 16:45

## EAST Search History

S47	155	("4290063"   "4437093"   "4496976"   "4520356"   "RE32187"   "4600921"   "4633297"   "4706121"   "4712239"   "4734764"   "4739318"   "4742344"   "4745468"   "4751578"   "4792848"   "4792849"   "4829372"   "4829569"   "4847825"   "4860123"   "4866770"   "4876592"   "4885775"   "4890321"   "4905094"   "4908713"   "4926255"   "4941040"   "4963994"   "4977455"   "4991011"   "4994908"   "5014125"   "5034807"   "5038211"   "5057915"   "5058160"   "5109279"   "5113496"   "5119188"   "5123046"   "5128752"   "5146210"   "5151789"   "5191410"   "5195092"   "5208665"   "5227874"   "5231665"   "5239540"   "5247364"   "5249044"   "5260778"   "5270809"   "5283734"   "5293357"   "5297204"   "5301028"   "5303295"   "5307173"   "5319454"   "5319707"   "5335079"   "5353121"   "5365282"   "5373330"   "5382983"   "5400401"   "5406558"   "5414448"   "5414756"   "5420647"   "5422674"   "5428404"   "5438370"   "5440632"   "5473609"   "5473704"   "5475382"   "5477262"   "5479266"   "5479268"   "5485221"   "5488409"   "5493339"   "5502504"   "5508815"   "5515173"   "5523794"   "5523796"   "5532732"   "5532754"   "5539391"   "5539822"   "5543852"   "5550576"   "5552837"   "5553123"   "5559550"   "5559870"   "5568272"   "5579055"   "5579057"   "5581614"   "5592551"   "5600378"   "5600711"   "5604528"   "5619247"   "5619274"   "5619383"   "5621579"   "5625406"   "5630119"   "5644254"   "5650267"	USPAT	OR	ON	2004/05/23 16:32
3/30/06 1:24:51 PM		C:\Documents and Settings\JMA\My Documents\EAST\Workspaces\09583388 - Encoding optimization techniques for encoding progra				Page 4

## EAST Search History

S48	35	725/43.ccls. and encod\$5	US-PGPUB; USPAT	OR	ON	2004/05/23 16:49
S49	1	725/43.ccls. and ((macro with block) macroblock)	US-PGPUB; USPAT	OR	ON	2004/05/23 16:49
S50	26	725/37-59.ccls. and ((macro with block) macroblock)	US-PGPUB; USPAT	OR	ON	2004/05/23 16:52
S51	1	"6621870".pn.	US-PGPUB; USPAT	OR	ON	2004/05/23 17:18
S52	5	725/37-59.ccls. and skip\$5 with ((macro adj block) macroblock encod\$5)	US-PGPUB; USPAT	OR	ON	2004/05/23 18:53
S53	1	"6606746".pn.	US-PGPUB; USPAT	OR	ON	2004/05/23 18:53
S54	46	725/43.ccls. and (IPG (interactive with guide))	US-PGPUB; USPAT	OR	ON	2004/05/24 10:14
S55	390	725/54,43,42,44.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/24 10:14
S56	1	"348"/\$7.ccls. and (skip same \$2coding) and (background same blank)	US-PGPUB; USPAT	OR	ON	2004/05/24 10:15
S57	296	725/37.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/24 10:15
S58	1179	725/37-43.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/24 10:15
S59	22	725/43.ccls. and skip\$5	US-PGPUB; USPAT	OR	ON	2004/05/24 10:16
S60	798	(macroblock macro-block) and distortion	US-PGPUB; USPAT	OR	ON	2004/05/24 10:17
S61	32	"348"/\$7.ccls. and (macroblock with size) and (distort\$5 noise) and transition	US-PGPUB; USPAT	OR	ON	2004/05/24 10:17
S62	153	(macroblock with size) and fit\$5 and (rectangle square menu guide)	US-PGPUB; USPAT	OR	ON	2004/05/24 10:17
S73	1	"20020122598".pn.	US-PGPUB; USPAT	OR	ON	2005/02/15 14:43
S74	0	(skip adj encoding) with (intra-cod\$5 (intra adj (code coded coding)))	US-PGPUB; USPAT	OR	ON	2005/02/15 15:22
S75	0	(IPG epg (program\$5 adj guide)) and (skip adj (encode encoded encoding))	US-PGPUB; USPAT	OR	ON	2005/02/15 15:23
S76	40	(skip adj (encode encoded encoding))	US-PGPUB; USPAT	OR	ON	2005/02/15 15:23

## EAST Search History

S77	0	(IPG epg (program\$5 adj guide)) and (skip adj (encode encoded encoding))	EPO; JPO	OR	ON	2005/02/15 15:23
S78	110	(skip\$5 adj encod\$6)	US-PGPUB; USPAT	OR	ON	2005/02/16 16:48
S79	8	(skip\$5 adj encod\$6)	EPO; JPO	OR	ON	2005/02/16 16:48
S80	1	"6177937".pn.	US-PGPUB; USPAT	OR	ON	2005/02/20 17:53
S81	1	"6177931".pn.	US-PGPUB; USPAT	OR	ON	2005/02/21 15:27
S82	43	725/37-61.ccls. and (low with pass with filter\$5)	US-PGPUB; USPAT	OR	ON	2005/02/21 15:40
S83	5	"348"/\$7.ccls. and ((low with pass with filter\$5) and (visual adj defect))	US-PGPUB; USPAT	OR	ON	2005/02/21 16:10
S84	0	"725"/\$7.ccls. and ((low with pass with filter\$5) and (visual adj defect))	US-PGPUB; USPAT	OR	ON	2005/02/21 15:44
S85	27	((low with pass with filter\$5) and (visual adj defect))	US-PGPUB; USPAT	OR	ON	2005/02/21 15:44
S86	49	"348"/\$7.ccls. and ((low with pass with filter\$5) and (visual adj artifact))	US-PGPUB; USPAT	OR	ON	2005/02/21 15:47
S87	205	((low with pass with filter\$5) and (visual adj artifact))	US-PGPUB; USPAT	OR	ON	2005/02/21 16:11
S88	9203	"725"/\$7.ccls. ((low with pass with filter\$5) and (visual adj artifact))	US-PGPUB; USPAT	OR	ON	2005/02/21 16:11
S89	3	"725"/\$7.ccls. and ((low with pass with filter\$5) and (visual adj artifact))	US-PGPUB; USPAT	OR	ON	2005/02/21 16:16
S90	1	"725"/\$7.ccls. and ((low with pass with filter\$5) and (visual adj artifact)) and (boundary boundaries)	US-PGPUB; USPAT	OR	ON	2005/02/21 16:16
S91	131	((low with pass with filter\$5) and (visual adj artifact)) and (boundary boundaries)	US-PGPUB; USPAT	OR	ON	2005/02/21 16:16

## EAST Search History

S92	44	(US-20010001614-\$ or US-20010017892-\$ or US-20010056577-\$ or US-20020122598-\$ or US-20030028879-\$ or US-20030189571-\$ or US-20010021276-\$).did. or (US-5493514-\$ or US-5548338-\$ or US-5559548-\$ or US-5585838-\$ or US-5625406-\$ or US-5659365-\$ or US-5748789-\$ or US-5786856-\$ or US-5796434-\$ or US-5844620-\$ or US-5850218-\$ or US-5907323-\$ or US-5920356-\$ or US-5946045-\$ or US-5987179-\$ or US-6072830-\$ or US-6216265-\$ or US-6263501-\$ or US-6385345-\$ or US-6412112-\$ or US-6415437-\$ or US-6434196-\$ or US-6481012-\$ or US-6526099-\$ or US-6560280-\$ or US-6560370-\$).did. or (US-6606746-\$ or US-6618444-\$ or US-6621870-\$ or US-6785331-\$ or US-RE37620-\$ or US-6177931-\$ or US-6853385-\$ or US-6088061-\$ or US-6690838-\$ or US-6163308-\$ or US-6125147-\$). did.	US-PGPUB; USPAT	OR	ON	2005/02/21 16:31
S93	12	S92 and (low with pass with filter\$5)	US-PGPUB; USPAT	OR	ON	2005/02/21 16:31
S94	34	725/37-61.ccls. and (macroblock)	US-PGPUB; USPAT	OR	ON	2005/09/15 13:51
S95	378	345/547,555.ccls.	US-PGPUB; USPAT	OR	ON	2005/09/15 13:51
S96	355	345/547,555.ccls. and (macroblock block)	US-PGPUB; USPAT	OR	ON	2005/09/15 13:52
S97	18	345/547,555.ccls. and (macroblock)	US-PGPUB; USPAT	OR	ON	2005/09/15 13:55
S98	18	345/547,555.ccls. and (macroblock microblock)	US-PGPUB; USPAT	OR	ON	2006/03/30 13:12
S99	52	(non-overlap\$5 (nonoverlap\$5) (non adj overlap\$5) ("not" adj overlap\$5)) with (macroblock)	US-PGPUB; USPAT	OR	ON	2006/03/30 13:11
S10 0	370896	(composite synthe with frame with (EPG guide IPG))	US-PGPUB; USPAT	OR	ON	2005/09/16 12:56
S10 1	160	(composite synthesize) with frame with (EPG guide IPG)	US-PGPUB; USPAT	OR	ON	2005/09/16 12:56
S10 2	0	("2004/0210931").URPN.	USPAT	OR	ON	2005/09/16 12:56

## EAST Search History

S10 3	14	("5422674"   "5635978"   "5801753"   "5926230"   "6005562"   "6147714"   "6177930"   "6230324"   "6426779"   "6453471"   "6460181"   "6515680"   "6518986"   "6519009").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 12:58
S10 4	657	"375"/\$7.ccls. and (slice with macroblock)	US-PGPUB; USPAT	OR	ON	2005/09/16 19:00
S10 5	1	"6606746".pn.	US-PGPUB; USPAT	OR	ON	2005/09/18 15:26
S10 6	1	"20020122598".pn.	US-PGPUB; USPAT	OR	ON	2005/09/18 15:26
S10 7	45	(US-20010001614-\$ or US-20010017892-\$ or US-20010021276-\$ or US-20010056577-\$ or US-20020122598-\$ or US-20030028879-\$ or US-20030189571-\$).did. or (US-5493514-\$ or US-5548338-\$ or US-5559548-\$ or US-5585838-\$ or US-5625406-\$ or US-5659365-\$ or US-5748789-\$ or US-5786856-\$ or US-5796434-\$ or US-5844620-\$ or US-5850218-\$ or US-5907323-\$ or US-5920356-\$ or US-5946045-\$ or US-5987179-\$ or US-6072830-\$ or US-6088061-\$ or US-6125147-\$ or US-6163308-\$ or US-6177931-\$ or US-6192148-\$ or US-6216265-\$ or US-6263501-\$ or US-6385345-\$ or US-6412112-\$ or US-6415437-\$).did. or (US-6434196-\$ or US-6481012-\$ or US-6526099-\$ or US-6560280-\$ or US-6560370-\$ or US-6606746-\$ or US-6618444-\$ or US-6621870-\$ or US-6690838-\$ or US-6785331-\$ or US-6853385-\$ or US-RE37620-\$).did.	US-PGPUB; USPAT	OR	ON	2005/09/18 15:37
S10 8	6	S107 and lossless	US-PGPUB; USPAT	OR	ON	2005/09/18 16:18
S10 9	63	"348"/\$7.ccls. and (lossless with encoding)	US-PGPUB; USPAT	OR	ON	2005/09/18 16:20
S11 0	37	"348"/\$7.ccls. and (lossless with encoding) and mpeg	US-PGPUB; USPAT	OR	ON	2005/09/18 16:26
S11 1	0	"725"/\$7.ccls. and (lossless with encoding with quantiz\$5) and mpeg	US-PGPUB; USPAT	OR	ON	2005/09/18 16:26



## EAST Search History

S11 2	3	"348"/\$7.ccls. and (lossless with encoding with quantiz\$5) and mpeg	US-PGPUB; USPAT	OR	ON	2005/09/18 16:26
S11 3	1	"6606746".pn.	US-PGPUB; USPAT	OR	ON	2006/03/29 18:15
S11 4	1	"6606746".pn. and background	US-PGPUB; USPAT	OR	ON	2006/03/29 18:15